

CLAIMS

1. Method for enhancing the "taste" and/ or
nutritional value of fruits of a plant of the genus Capsicum
5 by manipulation of the CL and the Y loci.

2. Method according to claim 1, wherein the
manipulation results in providing a plant of the genus
Capsicum, comprising two recessive y alleles and two
10 recessive cl alleles.

3. Method according to claim 2, wherein the y allele
is derived from a plant chosen from the group consisting of
Capsicum annuum, Capsicum baccatum, Capsicum frutescens,
15 Capsicum chinense, and Capsicum chacoense, preferably
Capsicum annuum.

4. Method according to claim 2, wherein the recessive
cl allele is derived from a plant chosen from the group
20 consisting of apsicum annuum, Capsicum baccatum, Capsicum
frutescens, Capsicum chinense, and Capsicum chacoense,
preferably Capsicum annuum.

5. Method according to claims 1-4, wherein the
25 enhanced nutritional value is characterized by an enhanced
sugar content in the fruits of the plant relative to the
fruits of a similar type plant of the genus Capsicum.

6. Method according to claim 5, wherein the plant is
30 characterized by a sucrose content which is at least 1.5
times higher than the sucrose content of fruits of a plant of
the genus Capsicum of a similar type.

7. Method according to claim 6, wherein the plant of the genus Capsicum is characterized by a sucrose content of the fruits of more than 5, preferably 5 to 40, more preferably 5.4 to 16.8 grams per kilogram fresh weight..

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8. Method according to claims 1-7, wherein the enhanced nutritional value is characterized by an enhanced ascorbic acid content in the fruits of the plant relative to the fruits of a similar type plant of the genus Capsicum.

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9. Method according to claim 8, wherein the plant is characterized by an ascorbic acid content which is at least 1.3 times higher than the ascorbic acid content in fruits of a plant of the genus Capsicum of a similar type.

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10. Method according to claim 9, wherein the plant of the genus Capsicum is characterized by an ascorbic acid content of the fruits of more than 2, preferably 2 to 7, more preferably 2.1 to 2.85 grams per kilogram fresh weight..

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11. Method according to claims 1-10, wherein the plant is "Evergreen 7181", "Evergreen 6203".

12. Plant, fruit, seed, seedling or plant parts of the genus Capsicum obtainable by the method according to any of the claims 1-11.

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13. Use of the plant of the genus Capsicum obtainable by the method according to any of the claims 1-11.

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14 Use according to claim 13 for the preparation of food products.